

Amendments to the Specification:

Please replace the paragraph beginning at page 4, line 25, with the following rewritten paragraph:

Figures 1A through 1F ~~shows~~ show a comparison of the amino acid sequences of the Mlo homolog from soybean clone sdp4c.pk003.l11 (SEQ ID NO:08), soybean clone sr1.pk0049.c5 (SEQ ID NO:12), soybean clone src2c.pk002.h11 (SEQ ID NO:14), soybean clone sdp2c.pk026.g24.fis (SEQ ID NO:28), wheat clone wdr1.pk0006.a3:cgs (SEQ ID NO:32), ~~wheat~~ wheat clone wlmk4.pk0025.f7:fis (SEQ ID NO:38), *Hordeum vulgare* having NCBI General Identifier No. 1877221 (SEQ ID NO:39), *Arabidopsis thaliana* having NCBI General Identifier No. 2494143 (SEQ ID NO:40), *Arabidopsis thaliana* having NCBI General Identifier No. 2765817 (SEQ ID NO:41), and *Arabidopsis thaliana* having NCBI General Identifier No. 4585879 (SEQ ID NO:42). Dashes are used by the program to maximize the alignment of the sequences.

Please replace the heading at page 22, line 12 with the following rewritten heading:

TABLE 4 TABLE 5